

DESCRIPTIONS OF THREE NEW
AFRICAN SPECIES OF THE GENUS
TABANUS

BY

HENRY F. CARTER, F.E.S.,

ASSISTANT ENTOMOLOGIST, LIVERPOOL SCHOOL OF TROPICAL MEDICINE

(Received for publication 14 November, 1912)

PLATE XXIII

Tabanus nagamiensis, n. sp.

Medium-sized dark greyish species. Dorsum of thorax greyish-black with two admedian longitudinal stripes of a paler shade, expanding posteriorly; also a short, pale, median stripe anteriorly. Dorsal surface of abdomen smoky-brown to rich dark brown with greyish apical bands expanding into median and somewhat ill-defined triangles and broad lateral areas. Wings hyaline. Legs dark, tibiae ochraceous-buff with black tips. Eyes hairy.

Head (Pl. XXIII, fig. 4): Face, jowls and subcallus, pale greyish clothed with long, greyish-white hairs; posterior region slightly darker, bearing short, greyish-white hairs. *Front* dark brown with greyish pruinose pubescence, about three and one-half times as long as the breadth at the lower extremity; the vertex usually denuded and shining, dark brown. *Frontal callus* (fig. 9) large and shining, dark brown to reddish-brown, almost square, with the lower corners rounded and narrowly separated from the eye on each side, extending to the central region of the front more or less in the form of a spindle; when partly denuded this part of the callus frequently appears as a long, narrow rectangle, the sides being almost parallel. *Palpi* obscure pinkish-white, terminal segment broad at the base and tapering rapidly from the mid-region to the apex; first segment and base of the second clothed with fairly long white hairs, remaining portion of second with minute black and white hairs intermixed, the latter usually preponderating. *Antennae* pale reddish-buff, and slightly pruinose; basal joint clothed with minute black hairs distally, white hairs basally and laterally, the latter being moderately long, upper extremity of joint projecting con-